

George J. Rebane, Ph.D., P.E.

Dr. Rebane is a career manager of technology oriented businesses and projects, and a systems scientist with degrees from U.C.L.A. in physics (B.S.) and engineering (M.S.E. and Ph.D.). He is also a Registered Professional Engineer (Control Systems CS#1970) with the State of California. His doctoral work included research in machine learning theory and the introduction of a new class of intelligent look-ahead planning problems.

After completing military service as an artillery officer, he began his career as a computer systems engineer with a large aerospace firm, designing and developing manned combat and weapon control systems for the DoD. During the seventies he served as Technical Director then CEO of a systems 'think tank and black studies' company in Santa Monica doing classified weapon and sensor systems R&D for the military and large defense industry customers.

In the commercial arena he was president of an international education electronics manufacturer that pioneered interactive multi-media technologies with companies like Disney. From there he went on to work with media giant Philips and noted American firms in developing technologies for the internet. Before retirement he was co-founder of the leading ecommerce concentrator Bizrate.com, and most recently he continues his entrepreneurial activities as co-founder of financial engineering company Riskalyze located in Auburn. His current interests continue in simulation and modeling (securities performance, portfolio design) for internet businesses, corporate/institutional planning and risk management, and financial engineering.

Throughout his professional career Dr. Rebane has also been active in education, training, and planning projects as a speaker at symposia, conferences, and lecturer for various university courses. He also served as an invited member of the Technology Advisory Committee during the founding of California State University at Monterey Bay, and as Associate Professor at Cal State Northridge. He has always devoted time to community activities having served as an inaugural president of Simi Valley Neighborhood Councils and as a Planning Commissioner for the City of Simi Valley and, more recently, for Nevada County. In addition to his current involvement with the Sierra Economics and Science Foundation (author of the annual TechTest and tutoring STEM career students), he has served on the Nevada County ERC Telecommunications Committee. He is currently a member of the Sportsmens Club, American Legion, on the board of Music in the Mountains, and involved in various philanthropic projects. He is also a blogger – *Rebane's Ruminations* – does a regular radio commentary on *KVMR*, and is a former columnist for *The Union* in northern California. He is a member of the IEEE and ACM professional societies.

A native of Estonia, Dr. Rebane immigrated to the United States after a four year interment with his parents in a post-war displaced persons camp in Germany. His teen years were spent in Indiana. He finished high school in California and met his future wife Jo Ann when they were both undergraduates at UCLA. They were wed in 1962, raised three children in a marriage that continues after five decades, and now take pride in their six grandchildren and four great-grandchildren. An avid reader, his interests begin with philosophy, cosmology, history, politics and range through music, camping, archery, flying, Ham radio, and shooting sports. Before moving to Nevada County, he lived in the mountains above Malibu for twenty-five years in a house his wife built.